

TDMS No. 96019 - 05
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 12/06/2007
Time Report Requested: 09:56:07
First Dose M/F: 09/26/01 / 09/26/01
Lab: SRI

F1_REV1_R2

C Number: C96019

Lock Date: 07/14/2004

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25021 TSAC 25020 NATD 25019 MSAC

Removal Date Range: ALL

Treatment Groups: Include ALL

TDMSE Version: 1.9.1

Note: Animals arranged according to days on test.

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**males
(cont...)**

HEMATOPOIETIC SYSTEM

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
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MUSCUI OSKEI ETAI SYSTEM

Skeletal Muscle

NERVOUS SYSTEM

Brain +

Peripheral Nerve +

Spinal Cord +

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RESPIRATORY SYSTEM

Alveolar/Bronchiolar Adenoma

Alveolar/Bronchiolar Carcinoma

Carcinoma, Metastatic, Thyroid Gland

SPECIAL SENSES SYSTEM

Zymbal's Gland +

Carcinoma X

URINARY SYSTEM

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	0	2	2	8	0	0	0	1	3	3	4	6	7	9	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2
	7	4	5	5	6	1	8	9	4	1	7	7	8	9	2	1	3	5	6	9	9	9	9	9	9	9	9	9	9	9

FISCHER 344 RATS MALE			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 MG/L			1	3	1	3	4	1	2	0	5	1	4	4	3	5	4	3	6	2	1	1	2	2	2	3	4	males	(cont...)	
			7	6	0	1	8	2	1	7	9	1	6	0	7	5	9	4	1	6	4	3	2	3	5	5	7			

Urinary Bladder

SYSTEMIC LESIONS

Multiple Organ

Leukemia Mononuclear

Mesothelioma Malignant

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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	
FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 MG/L		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5	6	6	6	0	0	0	0	1	2	2	3	3	5	0	1	2	4	4	4	4	4	5	6	6	6	6	6	6
		2	4	5	6	1	2	3	8	6	8	9	2	8	6	4	9	0	1	2	3	4	4	5	8	2	3	* TOTALS	

GENERAL BODY SYSTEM

Tissue NOS + 1

GENITAL SYSTEM

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Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	38
Interstitial Cell, Adenoma				X						X			X		X		X		X		X	8

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1

FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	6	6	6	0	0	0	1	2	2	3	3	5	0	1	2	4	4	4	4	4	5	6	6	6	6	6
	2	4	5	6	1	2	3	8	6	8	9	2	8	6	4	9	0	1	2	3	4	5	8	2	3	* TOTALS

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Peripheral Nerve															+						3
Spinal Cord																	+				3

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RESPIRATORY SYSTEM

SPECIAL SENSES SYSTEM

URINARY SYSTEM

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7
	0	2	4	4	4	5	7	9	0	0	1	1	3	3	6	6	6	7	7	9	0	0	1	1	2	2	2	2	2	2
	4	5	0	9	5	6	6	9	9	8	8	1	7	6	8	8	1	9	4	2	3	3	3	3	3	3	3	3	3	3
<hr/>																														
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 MG/L	1	0	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
	2	9	8	0	9	9	8	9	1	8	1	7	9	0	7	9	8	1	1	3	3	0	3	6	6	6	6	6	6	6
	8	8	9	0	1	9	8	5	9	0	8	1	0	9	2	7	3	3	5	1	2	8	0	7	8	8	8	8	8	8

**males
(cont...)**

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

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**males
(cont...)**

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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAY ON TEST	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		9	9	9	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	1	1	1	1	1	1	1	1	1
<hr/>																												
FISCHER 344 RATS MALE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 MG/L		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
		7	7	7	8	8	8	9	0	0	1	2	2	1	2	2	2	2	2	7	7	7	8	9	1			
		6	7	9	5	6	7	2	1	3	7	2	1	2	6	0	4	5	6	7	0	3	4	2	4	0		* TOTALS

Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Fibrosarcoma, Metastatic, Mesentery																												2
Fibrosarcoma, Metastatic, Spleen																												1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Tongue																												1
Squamous Cell Papilloma																												1

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pheochromocytoma Benign	X	X	X													X	X	X	X	X	X	X	X			13	

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Lab: SR

Pheochromocytoma Malignant

Parathyroid Gland + + + + + + + + + + + + + + + + + + M + + + + + 41

GENERAL BODY SYSTEM

Peritoneum + +

GENITAL SYSTEM

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INTEGUMENTARY SYSTEM

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma																						X	1
Squamous Cell Papilloma								X													X		4
Squamous Cell Papilloma, Multiple			X																				1
Subcutaneous Tissue, Fibroma		X				X																	7
Subcutaneous Tissue, Fibrosarcoma																	X						3
Subcutaneous Tissue, Lipoma																				X			1

MUSCULOSKELETAL SYSTEM

Skeletal Muscle 4

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Lab: SRI

Fibrosarcoma, Metastatic, Mesentery

2

Fibrosarcoma, Metastatic, Spleen

1

Hemangioma

1

NERVOUS SYSTEM

RESPIRATORY SYSTEM

SPECIAL SENSES SYSTEM

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† ... Tissue examined microscopically

x Lesion present

| Insufficient tissue

M Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
	2	6	5	7	4	5	6	7	8	9	0	0	0	3	4	5	6	7	7	7	9	0	1	2	2	2	
	1	6	0	9	9	5	1	5	1	6	7	9	9	1	6	2	7	4	9	9	6	4	7	7	7	7	
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
500 MG/L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	5	7	7	9	9	4	3	5	9	6	5	4	5	4	8	6	6	7	5	6	6	6	4	6	7		
	5	5	7	0	4	7	9	1	5	8	8	9	0	3	8	7	3	8	7	1	0	6	2	5	0		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma							X										X	X	X								
Carcinoma																											
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Adenoma								X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Pars Distalis, Carcinoma																					X						
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Adenoma																					X					X	
Follicular Cell, Adenoma																											
Follicular Cell, Carcinoma																											

GENERAL BODY SYSTEM

Peritoneum	+	+
------------	---	---

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 12/06/2007

Time Report Requested: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

SYSTEMIC LESIONS

Multiple Organ +
Leukemia Mononuclear X
Mesothelioma Malignant X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 12/06/2007

Time Report Registered: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

ALIMENTARY SYSTEM

* Total animals with tissue examined microscopically; Total animals with tumor.

M Missing tissue

+ Tissue examined microscopically

A Autolysis precludes evaluation

✗ Lesion present

BLANK Not examined microscopically

.. Lesion present
 Insufficient tissue

BLANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Registered: 12/06/2007

Time Report Requested: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SR

GENERAL BODY SYSTEM

Peritoneum.....
.....
2

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

.. Lesion present
 Insufficient tissue

BLANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

FISCHER 344 RATS MALE 500 MG/L	ANIMAL ID	DAY ON TEST																								* TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		4	4	8	8	9	3	3	3	4	4	4	7	7	8	8	8	9	3	3	5	6	6	7	7	9	
Adenoma		X			X			X			X			X		X		X		X		X		X		7	
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Bilateral, Interstitial Cell, Adenoma		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	39		
Interstitial Cell, Adenoma					X	X																					5

HEMATOPOIETIC SYSTEM

Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymph Node		+	+		+	+																					19
Lymph Node, Mandibular		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Requested: 12/06/2007

Time Report Registered: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroadenoma					X																3
<hr/>																					
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma																					2
Keratoacanthoma																					2
Squamous Cell Papilloma						X															4
Subcutaneous Tissue, Fibroma																	X				2
Subcutaneous Tissue, Neural Crest Tumor																		X			1

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

Peripheral Nerve + + 3

Spinal Cord + +

RESPIRATORY SYSTEM

SPECIAL SENSES SYSTEM

¹Zymbal's Gland

URINARY SYSTEM

* .. Total animals with tissue examined microscopically: Total animals with tumor

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

TDMS No. 96019 - 05

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Species/Strain: RATS/F 344

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Date Report Requested: 12/06/2007

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Lab: SRI

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear	X	X		X		X		X		X		X		X		X		X		X		19
Mesothelioma Malignant					X				X			X			X		X		X		X	10

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
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TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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Time Report Requested: 09:56:07

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Lab: SR

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	4	4	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
	5	8	3	6	1	2	5	8	3	3	3	5	6	7	8	8	8	9	1	2	2	2	2	2	2	2	2	2	2
	7	0	4	8	0	1	6	8	0	1	1	9	2	7	4	2	2	7	9	7	7	7	9	9	9	9	9	9	9

FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 MG/L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	6	5	5	0	1	5	0	0	3	4	5	5	1	4	0	1	2	3	4	6	3	0	1	2	2	2	2	2	2
	3	6	4	3	5	0	0	5	2	1	3	1	7	7	8	1	3	1	8	2	7	9	0	0	1	males (cont...)			

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x ... Lesion present

BLANK - Not examined microscopically

.. Lesion present
 Insufficient tissue

BEANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

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Date Report Registered: 12/06/2007

Time Report Requested: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

Alveolar/Bronchiolar Adenoma

Alveolar/Bronchiolar Carcinoma X X

Thymoma Malignant, Metastatic, Thymus

SPECIAL SENSES SYSTEM

URINARY SYSTEM

Renal Tubule, Adenoma

Urinary Bladder + + + + + + + + + + + + + + + + M + + + + + + + +

SYSTEMIC LESIONS

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

Multiple Organ

Leukemia Mononuclear

Lymphoma Malignant

X

Mesothelioma Malignant

males (cont...)

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
! .. Insufficient tissue

M .. Missing tissue
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TDMS No. 96019 - 05

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ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† .. Tissue examined microscopically

A.. Autolysis precludes evaluation

x Lesion present

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.. Lesion present
 Insufficient tissue

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Lab: SRI

Squamous Cell Papilloma

Tongue + 1

Tooth

CARDIOVASCULAR SYSTEM

Blood Vessel + 2

Alveolar/Bronchiolar Carcinoma,

Metastatic, Lung

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

| Insufficient tissue

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TDMS No. 96019 - 05

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Species/Strain: RATS/F 344

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Lab: SRI

ENDOCRINE SYSTEM

GENERAL BODY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

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A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

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Lab: SRI

SPECIAL SENSES SYSTEM

URINARY SYSTEM

SYSTEMIC LESIONS

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

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Lab: SRI

*** END OF MALE DATA ***

- * .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

M .. Missing tissue
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Lab: SR

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| Insufficient tissue

www.english-test.net/

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Lab: SR

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

x .. Lesion present
| Insufficient tissue

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Lab: SRI

Alveolar/Bronchiolar Adenoma

Carcinoma, Metastatic, Thyroid Gland

SPECIAL SENSES SYSTEM

URINARY SYSTEM

Carcinoma, Metastatic, Thyroid Gland

Renal Tubule, Adenoma

SYSTEMIC LESIONS

* ... Total animals with tissue examined microscopically: Total animals with tumor

M Missing tissue

+ Tissue examined microscopically

A Autolysis precludes evaluation

x Lesion present

.. Lesion present
 Insufficient tissue

BLANK Not examined microscopically

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Species/Strain: RATS/F 344

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Time Report Requested: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

Histiocytic Sarcoma

8

Leukemia Mononuclear

X

X X

X

X

females (cont...)

FISCHER 344 RATS FEMALE

ANIMAL ID

0 MG/L

- * .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

M .. Missing tissue
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M .. Missing tissue

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A .. Autolysis precludes evaluation

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| Insufficient tissue

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Lab: SR

CARDIOVASCULAR SYSTEM

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 .. Insufficient tissue

M .. Missing tissue

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CAS Number: 5589-96-8

Date Report Requested: 12/06/2007

Time Report Registered: 09:56:07

First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

| Insufficient tissue

TDMS No. 96019 - 05

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

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First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

Gland

HEMATOPOIETIC SYSTEM

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 96019 - 05

Test Type: CHRONIC

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Species/Strain: RATS/F 344

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Lab: SRI

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Peripheral Nerve																+	+	+	+	+	+	5
Spinal Cord																	+	+	+	+	+	4

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† Tissue examined microscopically

A.. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

Insufficient tissue

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First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

Histiocytic Sarcoma

Leukemia Mononuclear

X

1

• M8/E

ANIMAL ID

X X X X

X

X X

15

* .. Total animals with tissue examined microscopically: Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

x .. Lesion present
| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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Lab: SRI

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

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x .. Lesion present
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Lab: SR

HEMATOPOIETIC SYSTEM

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† .. Tissue examined microscopically

A .. Autolysis precludes evaluation

- ✗ Lesion present

BLANK Not examined microscopically

.. Lesion present

TDMS No. 96019 - 05

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Lab: SR

Nose

Trachea

SPECIAL SENSES SYSTEM

Eye

Harderian Gland

+

Zymbal's Gland

Adenoma Carcinoma

URINARY SYSTEM

Kidney

lipoma

Urinary Bladder

+

SYSTEMIC LESIONS

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x .. Lesion present
I .. Insufficient tissue

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TDMS No. 96019 - 05

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Lab: SRI

Multiple Organ

Leukemia Mononuclear

females (cont...)

- * .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

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Lab: SRI

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

x .. Lesion present

.. Lesion present
 .. Insufficient tissue

M .. Missing tissue

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Lab: SRI

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

† .. Tissue examined microscopically

x Lesion present

✓ .. Lesion present
| Insufficient tissue

M .. Missing tissue

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BLANK Not examined microscopically

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HEMATOPOIETIC SYSTEM

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* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

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x Lesion present

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 Insufficient tissue

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Lab: SRI

SPECIAL SENSES SYSTEM

Zymbal's Gland + 2

Adenoma 1

URINARY SYSTEM

Lipoma X

SYSTEMIC LESIONS

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- + .. Tissue examined
- x Lesion present

.. Lesion present
 Insufficient tissue

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Lab: SR

ALIMENTARY SYSTEM

* ... Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† ... Tissue examined microscopically

A .. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

Insufficient tissue

BEANK :: Not examined microscopically

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Lab: SRI

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
						X										X							8
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Uterus Polyp Stromal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
	X		X	X		X		X		X		X	X		X		X		X		X		13

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
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Lab: SR

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

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Lab: SRI

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

RESPIRATORY SYSTEM

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Lab: SRI

SPECIAL SENSES SYSTEM

URINARY SYSTEM

SYSTEMIC LESIONS

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
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Lab: SRI

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
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Lab: SRI

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

† .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x Lesion present

BLANK Not examined microscopically

.. Lesion present
 Insufficient tissue

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Lab: SRI

Eye

Harderian Gland

URINARY SYSTEM

Kidney

Urinary Bladder

SYSTEMIC LESIONS

Multiple Organ

Leukemia Mononuclear

X X X X X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
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ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically: Total animals with tumor

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Lab: SRI

Mesentery + 6

Leiomyosarcoma 1

Oral Mucosa 1

Squamous Cell Carcinoma 1

Leiomyosarcoma 1

CARDIOVASCULAR SYSTEM

Blood Vessel + 1

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

| Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically

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NONE

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M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

BLANK .. Not examined microscopically

| .. Insufficient tissue

DEANX ... Not examined microscopically

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GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

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INTEGUMENTARY SYSTEM

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
x .. Lesion present
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